

FIG. 2

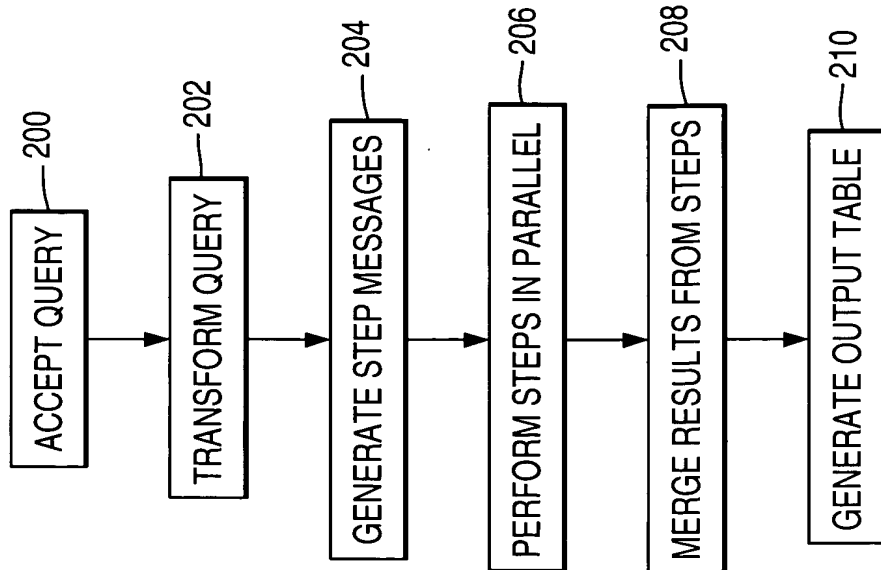
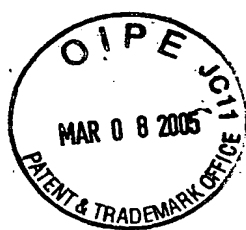
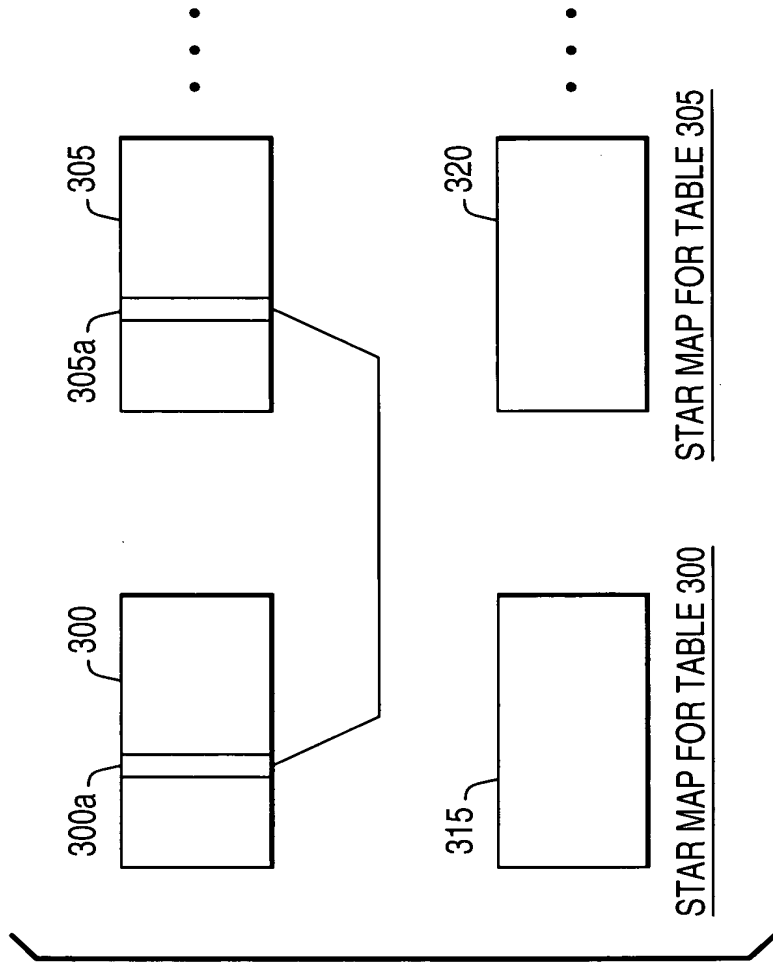


FIG. 3



# Replacement Sheet

Title: Optimizing an Exclusion Join Operation Using a Bitmap Index Structure

Inventor: Bhashyam Ramesh

U.S. Serial Number: 10/038,783

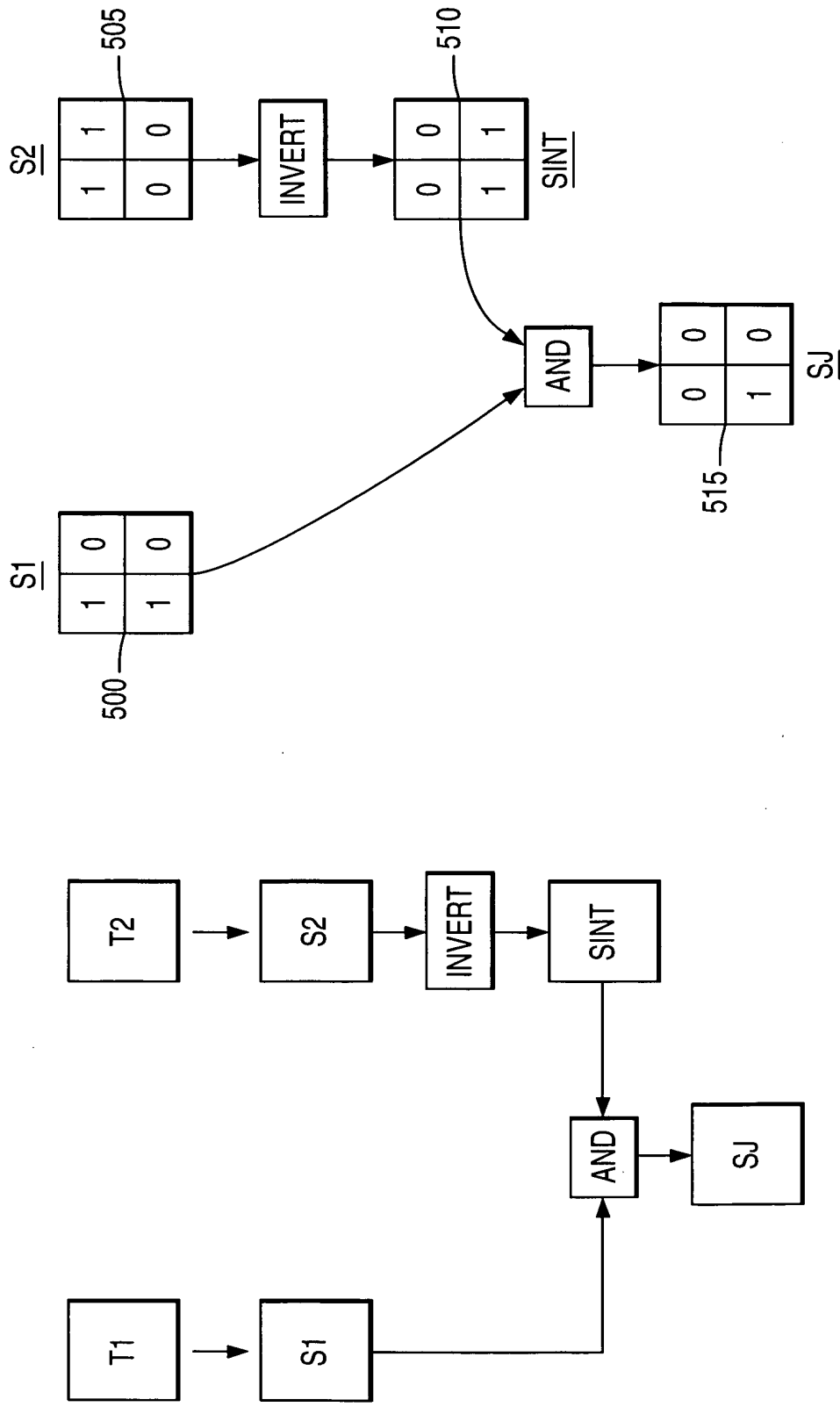


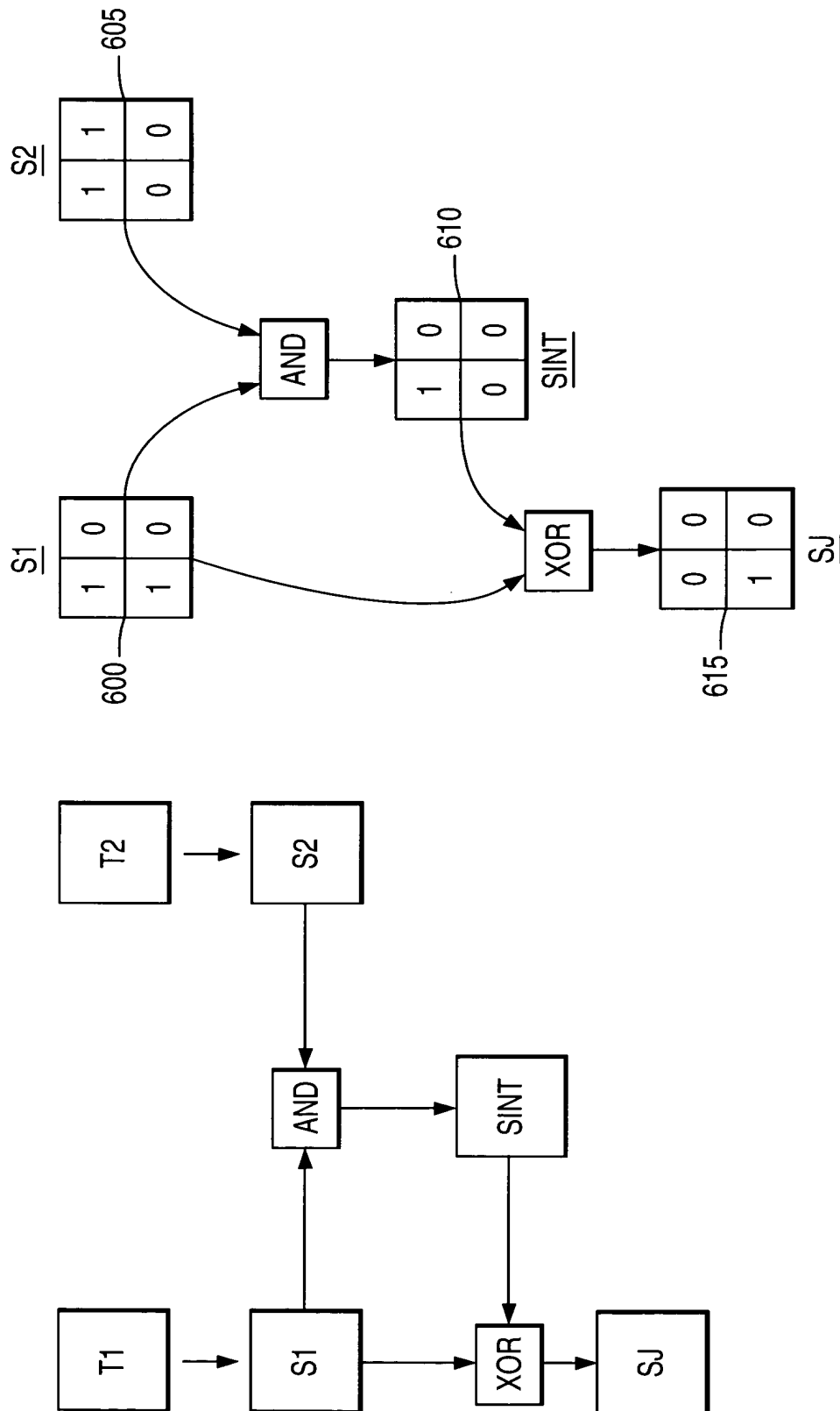
FIG. 5

# Replacement Sheet

Title: Optimizing an Exclusion Join Operation Using a Bitmap Index Structure

Inventor: Bhashyam Ramesh

U.S. Serial Number: 10/038,783



**FIG. 6**

# Replacement Sheet

Title: Optimizing an Exclusion Join Operation Using a Bitmap Index Structure

Inventor: Bhashyam Ramesh

U.S. Serial Number: 10/038,783

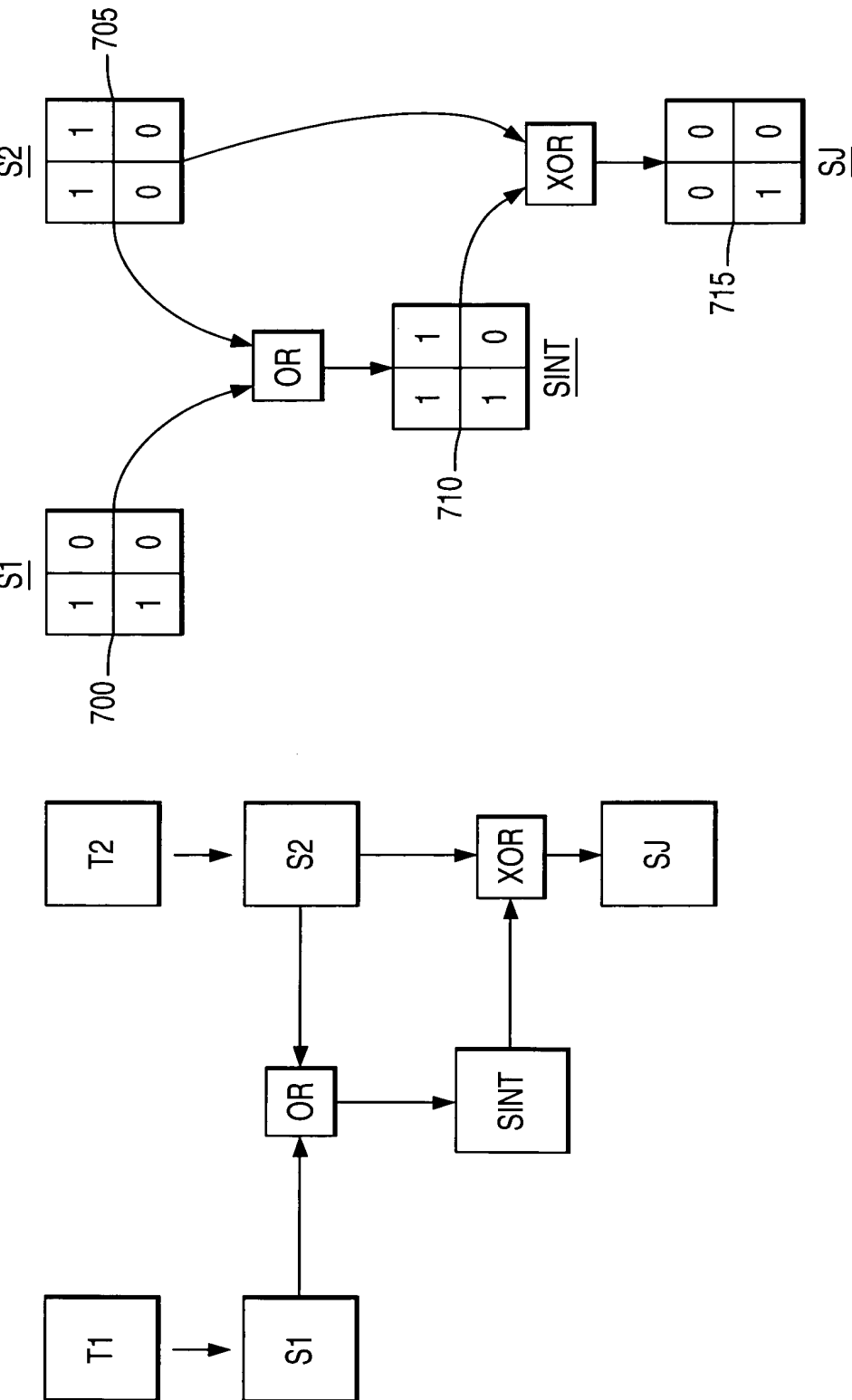


FIG. 7

